FUTURE FISHERIES IMPROVEMENT PROGRAM
GRANT APPLICATION
(please fill in the highlighted areas)

I. APPLICANT INFORMATION

A. Applicant Name: Big Blackfoot Chapter of Trout Unlimited

B. Mailing Address: PO Box 1

C. City: Ovando State: MT Zip: 59854

Telephone: 406.240.4824 E-mail: ryen@montanatu.org

D. Contact Person: Ryen Neudecker

Address if different from Applicant: See above

City: State: Zip:

Telephone: E-mail:

E. Landowner and/or Lessee Name (if other than Applicant): United States Forest Service - Michael Stansberry, Lincoln District Ranger

Mailing Address: 1569 US HWY 200

City: Lincoln State: MT Zip: 59639

Telephone: 406.362.7002 E-mail:

II. PROJECT INFORMATION*

A. Project Name: Sucker Creek Fish Passage Project

River, stream, or lake: Sucker Creek

Location: Township: 15N Range: 8W Section: 32
Latitude: 47’ 0’9”N Longitude: 112.’38’ 30” W *within project (decimal degrees)*

County: Lewis & Clark

B. Purpose of Project:

The purpose of this project is to address an undersized culvert on Sucker Creek that blocks migration corridors for native trout during high flow periods and creates impairments to the channel.

C. Brief Project Description:

At the project site, Sucker Creek is a third-order tributary to Keep Cool Creek in the upper Blackfoot River watershed north of Lincoln, MT. The stream supports westslope cutthroat trout which have been identified as a pure strain. This project has been identified as a priority under the ***Collaborative Forest Landscape Restoration Program***—a program identified in 2009 by the Secretary of Agriculture to encourage the collaborative, science-based ecosystem restoration of priority forest landscapes. This project will address the existing stream crossing near stream-mile 3.3 on United States Forest Service lands that is undersized, impedes fish passage during high flow periods and creates impairments to the channel. The existing 60" culvert is proposed to be replaced with a 142" x 91" CSP Pipe-Arch that will allow uninhibited aquatic organism passage and replicate the stream bed up and down stream of the crossing.

The existing undersized culvert on Sucker Creek causing channel impairment and depression of migratory life histories is proposed to be replaced with a pipe-arch following Stream Simulation methods and principles that will result in a stable stream crossing that will correct the current road drainage problems, eliminate delivery of excessive sediment, provide for fish passage and restore the natural channel morphology to the site. A basic topographic and hydraulic field survey was conducted to locate key physical features within the area of the existing culvert. A longitudinal profile, stream cross-sections, bankfull widths, and general geomorphologic parameters were collected. The new structure dimensions were sized based on stream characteristics collected from the reference reach and hydraulic analysis. The hydraulic capacity of the structure was analyzed to ensure that it satisfies a 100-year flood event. Reference reach data collected indicated that bankfull width is close to six feet and stream gradient close to 6.5%. Please refer to attached map, photos and design.

D. Length of stream or size of lake that will be treated: By replacing the current undersized stream crossing, we will reconnect over 1.5 miles of instream habitat

E. Project Budget:

Grant Request (Dollars): $ 16,500

Contribution by Applicant (Dollars): $ _____ In-kind $ 3,956.80

(salaries of government employees are not considered as matching contributions)

Contribution from other Sources (Dollars): $ 34,300 In-kind $ _____

(attach verification - See page 2 budget template)

Total Project Cost: $ 54,756.80

F. Attach itemized (line item) budget – see template

G. Attach specific project plans, detailed sketches, plan views, photographs, maps, evidence of landowner consent, evidence of public support and fish biologist support, and/or other information necessary to evaluate the merits of the project. If project involves water leasing or water salvage complete supplemental questionnaire (fwp.mt.gov/habitat/futurefisheries/supplement2.doc).

H. Attach land management and maintenance plans that will ensure protection of the reclaimed area.

III. PROJECT BENEFITS*

A. What species of fish will benefit from this project?:

Pure strain westslope cutthroat trout

B. How will the project protect or enhance wild fish habitat?:

By reconnecting the upper reaches of Sucker Creek, wild pure strain westslope cutthroat trout will have access to approximately 1.5 miles of additional high quality habitat.

C. Will the project improve fish populations and/or fishing? To what extent?:

This project will expand access to quality habitat which should improve the Sucker Creek fishery. The stream is accessible and for those who appreciate fishing small streams, it will offer a quality experience similar to that currently existing downstream of the crossing.

D. Will the project increase public fishing opportunity for wild fish and, if so, how?:

Yes, public fishing opportunities will benefit by increasing occupied wild trout habitat in the Blackfoot River drainage. The public also has legal streamside access via adjacent USFS lands.

E. The project agreement includes a 20-year maintenance commitment. If you are unable to meet this commitment, please explain why:

The USFS has committed to maintaining the new structure for its life expectancy. The proposed structure will be essentially maintenance-free structures and the life expectancy is estimated at 75 to 100 years.

F. What was the cause of habitat degradation in the area of this project and how will the project correct the cause?:

The existing culvert is undersized and does not direct road sediment away from the stream. Replacement of the culvert with a larger pipe that provides for a floodplain will create a stable stream crossing and correct the current road drainage problems.

G. What public benefits will be realized from this project?:

This project involves the continuation of the Blackfoot River Restoration program and the restoration of a westslope cutthroat stream. Public benefits include: 1) increased recruitment of pure strain resident westslope cutthroat trout, 2) improved water quality (sediment reductions) on-site and downstream, and 3) contribute to the recovery and reconnection of habitat for a species of special concern.

H. Will the project interfere with water or property rights of adjacent landowners? (explain):

No

I. Will the project result in the development of commercial recreational use on the site?: (explain):

No

J. Is this project associated with the reclamation of past mining activity?:

No

Each approved project sponsor must enter into a written agreement with the Department specifying terms and duration of the project.

IV. AUTHORIZING STATEMENT

I (we) hereby declare that the information and all statements to this application are true, complete, and accurate to the best of my (our) knowledge and that the project or activity complies with rules of the Future Fisheries Improvement Program.

Applicant Signature:  Date: 11-24-15

Sponsor (if applicable):

***Highlighted boxes will automatically expand.**

Mail To: **Montana Fish, Wildlife & Parks**
Habitat Protection Bureau
PO Box 200701
Helena, MT 59620-0701

E-mail To: **Michelle McGree**
mmcgree@mt.gov
(electronic submissions MUST be signed)

Incomplete or late applications will be returned to applicant.
Applications may be rejected if this form is modified.

*****Applications may be submitted at anytime, but must be received by the Future Fisheries Program office in Helena before December 1 and June 1 of each year to be considered for the subsequent funding period.*****

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

Both tables must be completed or the application will be returned

WORK ITEMS (ITEMIZE BY CATEGORY)	NUMBER OF UNITS	UNIT DESCRIPTION*	COST/UNIT	TOTAL COST	CONTRIBUTIONS			
					FUTURE FISHERIES REQUEST	IN-KIND SERVICES**	IN-KIND CASH	TOTAL
Personnel								
Survey	30	Hr	$90.00	$ 2,700.00			2,700.00	$ 2,700.00
Design	45	Hr	$100.00	$ 4,500.00			4,500.00	$ 4,500.00
Engineering	45	Hr	$120.00	$ 5,400.00			5,400.00	$ 5,400.00
Permitting	25	Hr	$40.00	$ 1,000.00		1,000.00		$ 1,000.00
Oversight	50	Hr	$120.00	$ 6,000.00			6,000.00	$ 6,000.00
Coordination	60	Hr	$40.00	$ 2,400.00		2,400.00		$ 2,400.00
			Sub-Total	$ 22,000.00	$ -	$ 3,400.00	$ 18,600.00	$ 22,000.00
Travel								
Mileage	960	miles	$0.58	$ 556.80		556.80		$ 556.80
			Sub-Total	$ 556.80	$ -	$ 556.80	$ -	$ 556.80
Construction Materials* **								
Dewatering & Erosion Control	1	LS	$2,500.00	$ 2,500.00	1,250.00		1,250.00	$ 2,500.00
Removal & Install of culvert	1	LS	$4,500.00	$ 4,500.00	1,500.00		3,000.00	$ 4,500.00
Placed Riprap	42	CY		$ 3,200.00	1,500.00		1,700.00	$ 3,200.00
Rock Weir	3	Each		$ 2,000.00	1,000.00		1,000.00	$ 2,000.00
Wood Weir	2	Each	$1,000.00	$ 2,000.00	1,000.00		1,000.00	$ 2,000.00
Steel pipe arch	47	LF		$ 12,000.00	7,500.00		4,500.00	$ 12,000.00
Seeding & Reveg	1	LS	$500.00	$ 500.00			500.00	$ 500.00
			Sub-Total	$ 26,700.00	$ 13,750.00	$ -	$ 12,950.00	$ 26,700.00
Equipment								
Hydraulic Excavator	24	hours	$125.00	$ 3,000.00	1,500.00		1,500.00	$ 3,000.00
Dump Truck	10	hours	$100.00	$ 1,000.00	500.00		500.00	$ 1,000.00
			Sub-Total	$ 4,000.00	$ 2,000.00	$ -	$ 2,000.00	$ 4,000.00
Mobilization								
All equipment				$ 1,500.00	750.00		750.00	$ 1,500.00
			Sub-Total	$ 1,500.00	$ 750.00	$ -	$ 750.00	$ 1,500.00
			TOTALS	$ 54,756.80	$ 16,500.00	$ 3,956.80	$ 34,300.00	$ 54,756.80

*Units = feet, hours, inches, lump sum, etc.

**Can include in-kind materials. Justification for in-kind labor (e.g. hourly rates used for calculations). Describe here or in text.

***The Future Fisheries Review Panel recommends a maximum fencing cost of $1.50 per foot

(Revised 11/30/2015)

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

MATCHING CONTRIBUTIONS (do not include requested funds)

CONTRIBUTOR	IN-KIND SERVICE	IN-KIND CASH	TOTAL	Verified? (Y/N)
United States Forest Service	$ -	$ 34,300.00	$ 34,300.00	Y
Big Blackfoot Chapter of Trout Unlimited	$ 3,956.80	$ -	$ 3,956.80	Y
TOTALS	$ 3,956.80	$ 34,300.00	$ 38,256.80	

(Revised 11/30/2015)

Photos 1-2: Outlet and inlet on Sucker Creek USFS crossing near stream-mile 3.3

USDA United States Department of Agriculture | Forest Service | Helena National Forest Lincoln Ranger District | 1569 Highway 200 Lincoln, MT 59639 (406) 362-7000

Date: November 6, 2015

Future Fisheries Citizens Panel
Montana Fish, Wildlife & Parks,
Habitat Bureau
Fisheries Division
1420 East 6th Avenue
P.O. Box 200701
Helena, MT 59620-0701

Dear Members of the Future Fisheries Citizen Panel:

RE: Sucker Creek Fish Passage Improvement Project

The Helena National Forest has been working with The Big Blackfoot Chapter of Trout Unlimited and Montana Fish, Wildlife and Parks in a comprehensive effort to improve native fish habitat, correct connectivity issues, and reduce anthropomorphic sediment delivery to streams and rivers in the upper Blackfoot drainage. One of the current projects involves replacing a barrier culvert on Sucker Creek where Forest Service Road 1800 crosses the stream. The pipe would be replaced with a larger culvert that would provide for Aquatic Organism Passage and allow the flow capacity for a 100 year recurrence interval, and modify road runoff patterns that are not possible with the existing crossing to minimize the potential for sediment delivery to the stream. While most funds have been secured on this project we are trying to obtain required match for the secured funds. Please support the grant request so this project that will benefit a westslope cutthroat trout population can extend fish distribution up to another 1.5 miles.

Thank you for your consideration. If you have questions about this proposed project that was developed to benefit fisheries resources in the Blackfoot River drainage, please contact me anytime at 406.362.7003.

Sincerely,

George Liknes

GEORGE LIKNES
Aquatic Program Leader

cc: Michael Stansberry, District Ranger
Dave Callery, Watershed Program Manager
R. Neudecker, Big Blackfoot Chapter Trout Unlimited